BRUHAT BENGALURU MAHANAGARA PALIKE

Name of work: Providing internal lining works and development of approach roads Bellahalli quary

SCHEDULE-B

Sl. No.	Particulars	Unit	Qty	Rate	Amount
1	KSRB 2.2-7: Benching hard rock 5 to 7.5 cm depth. for seating of foundation, including cost of all labour complete as per specifications. specification. No. KBS 2.1(a) / 2.3.1 including cost of all materials, labour and as per the directions of engineer incharge of the work.	Sqm	975	1311.19	One thousand three hundred eleven rupees nineteen paise only
2	Providing, Supplying, Laying of 1.5 mm thick black HDPE texured Geomembrane including fabrication charges, all taxes and transportation etc. complete as per specifications cost of all materials, labour and as per the directions of engineer incharge of the work.	Sqm	15032.5	638.00	Rupees six hundred thirty eight only.
3	Supply and laying of 200 gsm Non-woven Geotextile (Polypropylene) of thickness 2 mm at 2 kPa at the bottom and sides of landfill. The geotextile shall be made from virgin PP stable fibres and bonded by needlepunching technology inclusive of all taxes complete as per specifications cost of all materials, labour and as per the directions of engineer incharge of the work.	Sqm	15032.5	215.00	Rupees two hundred and fifteen only.
4	Engaging hydraulic excavator Hitachi on Hire basis including cost of fuel, crew charges etc Complete for Re-handling, heaping, spreading & forming of the MSW received at scientific landfill site complete as per specifications cost of all materials, labour and as per the directions of engineer incharge of the work.	Hrs	6600	2302.53	Two thousand three hundred and two rupees fifty paise only.
5	Engaging of JCB on Hire basis including cost of fuel, crew charges etc Complete for Re-handling, heaping, spreading & forming of the MSW received at Dump yard & landfill site. PWD SR 2015-16 page XXXVII item 23. complete as per specifications cost of all materials, labour and as	Day	550	6720.00	Rupees six thousand seven hundred and twenty only.
6	KSRRB 300-53. Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 aomplete as per specifications. (Which includes cost of gravel / murrum watering charges & compaction by vibratory roller) MORTH specification No 305 (P.No.147, I.No.19.60) complete as per specifications and the directions of engineer incharge of the work.	Cum	99550	296.64	Two hundred and ninety six rupees sixty four paise only.

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Sl. No.	Particulars	Unit	Qty	Rate	Amount
7	Engaging Field Assistants for supervision of maintenance work of MSW handling as per the directions of Engineer in charge For supervision and monitoring of the garbage disposal in the land fill, listing of vehicles, cleaning of spilled garbage etc.	Nos	980	244.55	Two hundred and forty four rupees fifty five paise only.
Road Work					
8	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location and complete as per specifications. MORTH Specification No.301 and the directions of engineer incharge of the work.	Cum	1512	136.40	One hundred and thirty six rupees forty paise only.
9	KSRRB 300-53. Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 aomplete as per specifications. (Which includes cost of gravel / murrum watering charges & compaction by vibratory roller) MORTH specification No 305 (P.No.147, I.No.19.60) complete as per specifications and the directions of engineer incharge of the work.	Cum	3276	311.04	Three hundred and eleven rupees four paise only.
10	KSRRB 300-Compaction KSRRB 300-58. Compaction of original ground with maximum of 6 passes of 8 to 10 tonnes power roller including filling in depression occuring during rolling	Sqm	5040	4.86	Four rupees eighty six paise only.
11	Providing, laying, spreading and compacting crushed stone aggregates of Granite/ trap/ basalt of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled/ vibratory roller 8 - 10 tonnes in stages to proper grade and chamber, applying and brooming requisite type of screening / binding/ materials of fill up the interstics of coarse aggregates, watering and compacting to the required density complete as per specification. A by manual means crushable type such as moorum or gravel for grading II, MORTH Specifications No. 405 complete as per specification	Cum	504	1614.60	One thousand six hundred and fourteen rupees sixty paise only.

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Sl. No.	Particulars	Unit	Qty	Rate	Amount
12	Providing, laying, spreading and compacting crushed stone aggregates of Granite/ trap/ basalt of specific sizes to water bound macadam specification including spreading in uniform thickness, hand packing, rolling with 3 wheeled/ vibratory roller 8 - 10 tonnes in stages to proper grade and chamber, applying and brooming requisite type of screening / binding/ materials of	Cum	756	1709.64	One thousand seven hundred and nine rupees sixty four paise only.
13	De watering of accumulated water (3.5 Kltr/Hour capacity) including hire charges of two labours and Tractor	Day	60	3454.00	Three thousand four hundred and fifty four rupees only.
14	KSRRB 300-53. Construction of embankment with approved material gravel/murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table 300-2 aomplete as per specifications. (Which includes cost of gravel / murrum watering charges & compaction by vibratory roller) MORTH specification No 305 (P.No.147, I.No.19.60) complete as per specifications and the directions of engineer incharge of the work.	Cum	3276	311.04	Three hundred and eleven rupees four paise only.
15	Supply and spraying of bio ensymes solution by setting of bioreactor at site to required ratio using leachates including cost to bio enzymes and air pumps.	Ltr	608000	24.00	Rupees twenty four only.
16	Using aromatic oils in spraying on garbage 3 ltrs per day Rs. 4200 per day.	Ltr	2280	1400.00	One thousand four hundred rupees only.
17	Ten wheeler tipper for shifting of soil to landfill site for capping. 2 Nos per day	Day	550	2016.00	Two thousand and sixteen only.
18	Ex-Serviceman/ Night Watchman (P- LVII, Sl no 155)	Nos	72	10150.85	Ten thousand one hundred and fity rupees eighty five
19	Engaging Heavy Mazdoor for maintainance of garbage handling watering for road etc as per the directions of Engineer in charge.	Nos	1925	244.55	Two hundred and forty four rupees fifty five paise only.
20	Water tanker for watering the road 5 times a day.	Day	1375	485.60	Four hundred and eighty five rupees sixty paise only.
21	Engaging Tractor of 50 HP capacity including the cost of crew and fuel charges etc complete (Page No:XXXVIII, Item No:20) PW, P &IWTD, Bangalore Cicrle SR 2015-16. For cleaning of spilled garbage from garbage transporting vehicles and transportation of Diesel.	Day	275	2512.00	Two thousand five hundred and twelve rupees only.
Drilling of borewell					

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Sl. No.	Particulars	Unit	Qty	Rate	Amount
22	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing	Nos	3	1882.00	One thousand eight hundred and eighty two rupees only.
23	Sinking borewell of 160 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above in all strata including over bureden upto 20 m fixing of casing pipes, collars and cap with necessary cutting, threading and welding including transportation of rig and supporting vehicle, crew charges and cost of comsumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour				
	from 0.00 m to 50m	Rmtr	150	315.18	Three hundred and fifteen rupees eighteen paise only.
	from 50 m to 100 m		150	412.00	Four hundred and twelve rupees only.
	from 100 m to 150 m		150	458.35	Four hundred and fifty eight rupees thirty five paise only.
	from 150 m to 200 m		150	484.10	Four hundred and eighty four rupees ten paise only.
	from 200 m to 250 m		150	560.32	Five hundred sixty rupees thirty two paise only.
	from 250 m to 300 m		150	600.49	Six hundred rupees forty nine paise only.
24	Providing and fixing of Borewell cap 175mm dia (page No - iii) (sl No.85)	Each	3	100.00	One hundred rupess only.

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Sl. No.	Particulars	Unit	Qty	Rate	Amount
25	Supply and delivery at site brand new Texmo/ Innoval/ Lubi/ Sabar/ Atalanta/ Calamal make suitable HP deep well submersible pumpset suitable for vertical installation in 150mm dia borewells comprising of single stage or multistage CF pump close coupled by means of stainless steel coupling to suitable HP suitable speed totally enclosed and filled with pure drinking water (Wet type) squirrel cage submersible induction motor suitable for operation of 3Ph., 50Hz. 380/440 volts AC supply fitted with required accessories such as suction, casing, suction strainers, sand guard. Non return valve etc., complete. The pump and motor shall form an integral unit with all the required fittings. 12.50 HP, 20 Stage	Nos	3	60084.36	Sixty thousand eighty four rupees thirty six paise only.
26	Supply of ISI marked galvanized MS tube, nominal bore screwed at both ends as per IS 554/ 1986 with latest amendments with random lenghts amendments with random lenghts of 4 to 7 mtrs.	Rmtr	54	1325.00	One thousand three hundred and twenty five rupees only.
27	MS casing pipe Heavy duty collar "C" class 50 mm dia P.No 86, PRED 12-13 SR	Nos	54	150.00	One hundred and fifty rupees only.
Spraying of chemical to control fly and mosquito menace					
28	Supplying of premise chemical for spraying to control flymenace.	Ltr	880	3130.00	Three thousand one hundred and thirty rupees only.
29	Supplying of Sugar to mix with the chemical along with the water. For spraying to controle fly menace	Kg	5500	40.00	Forty rupees only.
30	Supplying of Baytex chemical for spraying to control Mosquito menace.	Ltr	880	1915.00	One thousand nine hundred and fifteen only.
31	Spraying of premise chemical solution prepared by mixing the Chemical with sugar and water @ the ratio 5ml of chemical for 1 litre of water to control fly menace. Spraying Labours - 5 Nos	Nos	1100	244.55	Two hundred and forty four rupees fifty five paise only.
32	Spraying of Baytex chemical solution prepared by mixing with water @ the ratio 10ml of chemical for 1 litre of water to control mosquito menace Spraying Labour - 5 Nos	Nos	1100	244.55	Two hundred and forty four rupees fifty five paise only.
33	Procuring of spraying machines to spray above solutions.	Nos	6	2250.00	Two thousand two hundred and fifty rupees only.

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